Poster Session Program

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Room A: Soi	803 I and Water
P001	Crop Cultivation Activity Impacts Evaluation using Water-Energy-Food-Carbon-Water Quality Nexus Yoon PuReun • Kim Maga • Choi Jin-Yong • Hur Seung-Oh • Son Jeong-Woo
P002	Improved Water Efficiency of Paddy Farming through Alternate Wetting and Drying Irrigation in Central
	Taiwan Tsai Hsuan-Ju•Wu Pei-Jhen•Wu Dong-Hong•Lee Shin-Ruei
P003	Establishing Corn Crop Coefficients for Precision Irrigation in Sustainable Paddy Rotation Systems Lee Shin-Ruei
P004	Evaluation of Return Flow and Reuse Efficiency Using Water Cycle Simulation in Irrigation Canal Networks
P004	Lee Hyeon-Ji • Nam Won-ho • shin Ji-Hyeon Estimation of Discharge Amount After Using Water Curtain Water in Greenhouse Complexes During Winter
P005	Season
	Kim Sang Min Effect of Irrigation-Induced Distribution of Temperature and Nitrogen Concentration of Paddy Water on Rice
P006	Chalky Grain
	Yuta AMAKAWA · Kazuhiro NISHIDA · Tadashi TSUKAGUCHI · Keita KOBUCHI · Kazuya SHIRAISHI · Shuichiro YOSHIDA
P007	Methane gas emissions from meso-scale paddy soil columns affected by artificial macropore installation. Tanaka Nagatsuki • Mori Yasushi
	Development of a Climate-Resilient Paddy-Upland Crop Rotation Model: A Case Study of Baby Corn and
P008	Heat-Tolerant Rice in Subtropical Taiwan Sun Ping Wei • Li Charng Pei • Huang Li Han
D 000	Effects of Lactobacillales Amendment and Soil Water Content on Carbon Dioxide and Methane Emissions in
P009	Paddy Soil Liyuan Chen • Kimihito Nakamura • Natsuki Nobe • Takanori Nagano
P010	The Effect of Soil Aggregation Forms to Water Content and Plant Biomass in Soil Columns
	Kento Tajiri Yasushi Mori Molecular Characterization of Soil Organic Matter Using NMR and GC/MS in Relation to Total Carbon
P011	Content
	Horiuchi Moeri • Hayakawa Satoshi • Mori Yasushi Measurement of Guava Evapotranspiration in Southern Taiwan
P012	Gao Bi-Shuang · Hsieh Hung-Yeh · Syu Chien-Hui
P013	Determination of heat unit-based crop coefficient for rice in Taiwan Hou Ya-Ling • Wu Dong-Hong • Wu Pei-Jhen
D014	Optimizing Banana Cultivation with CROPWAT 8.0 and Drip Irrigation to Mitigate Water Competition in
P014	Paddy-Dominated Watersheds and Promote Climate-Resilient Agriculture Wang Wei-Chen 'Chen Yu-Yi Chen Hsueh-I Syu Chien-Hui Tsai Yao-Hsien Lin Yung-Chou
	Detection of Initial Irrigation in Paddy Fields Using Remote Sensing Data for Monitoring Water Allocation
P015	in Traditional Irrigation System in Bali Wily Goldramijaya • Atiqotun Fitriyah • Fumi Okura • Tasuku Kato • Ni Nyoman Sulastri • I Wayan Tika •
	Sumiyati • Ida Ayu Gede Bintang Madrini • Mentari Kinasih
P016	Improving SWAT performance in a snow-dominated basin via a two-season precipitation lapse rate: Case study of the Tedori River, Japan
	TABACARU GHEORGHE ALEXANDRU • Fujihara Yoichi High-resolution satellite monitoring of alpine snow patches for watershed water resource variability analysis
P017	Nonaka Ryoma • Fujihara Yoichi • Ogawa Hiroshi • Chono Shunsuke • Ichion Eiji
P018	The Impact of Irrigation on Carbon Storage in Tea Plantations: Insights from the Static Chamber Method Huang Yan-Ning • Liao Kuo-Wei
P019	XGBoost-Based Assessment of Groundwater Levels Influenced by Irrigation and Meteorological Factors
P020	Chen Hui Chih Ling You Ting Zhuang Wei Ya Wang Wei Sheng Analysis of salinity dynamics in the estuary of the Red River, Northern Vietnam
1 020	Inoue Keishi · Kimura Masaomi · Yoshikawa Natsuki · Matsuno Yutaka Effects of automated weed control robots on methane emissions from paddy fields in mountain areas of
P021	Northeast Japan
	Kato Chihiro Nakamura Tetsuya Ookawa Taiichiro A Critical Review of Flood Risk Assessment Methodologies: Applicability and Framework for Agricultural
P022	Landscape Under Climate Change
	Adisa Hammed Akinsoji · Kyung Sook Choi

P023	Field Analysis of Infiltration Properties Before and After Restoration of Terraced Paddy Fields in Northern Taiwan
	Huang Qun-Zhan•Hsu Shao-Yiu
P024	Impact on agricultural irrigation under the influence of climate change and adaptation strategies for stabilizing
	agricultural irrigation water supply
	Huang Ya-Zhen•Fan Chihhao
P025	Linking Reservoir Water Level with Lumped Models for Estimating Inflow to Agricultural Reservoirs
1 023	Kang Seokhun Song Junghun
	Effect of irrigation with high nitrogen concentration water on the horizontal distribution and temporal changes
P026	in nitrogen concentration in a paddy field
 	Kobuchi Keita Nishida Kazuhiro Yoshida Shuichiro
D027	Effects of Rice Straw Management on Greenhouse Gas Emissions and Soil Nitrogen Dynamics in Rice Paddy
P027	Soil Wang Shan Linkag Chuan Eu
P028	Wang Shan-Li•Kao Chuan-Fu Quantifying Absorbed Water via Matric Potential to Improve Dielectric Models
	Hashimura Makoto
	Estimation of short-term rainfall magnitude and intensity using forecast data based on artificial intelligence
P029	Kwak Jihye•Kim Jihye•Kim Sinae•Park Seongjae•An Jaeyoung•Park Seonjae•Park Suhwan•Kang Moon
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	Probabilistic estimation of future rainfall erosivity under climate change using sub-hourly disaggregation of
P030	daily rainfall in South Korea
	Kim Sinae · Park Suhwan · Kwak Jihye · An Jaeyoung · Park Seongjae · Park Seonjae · Kang Moon-Seong
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	Natsuki Nobe · Kimihito Nakamura · Liyuan Chen · Takanori Nagano
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P040	in South and North Korea
	Seo Jun-Yeong • Nam Won-Ho Flood Damage Assessment in an Agricultural Irrigation Area with Motorized Gate Application
P041	Kim Da Ye·Lee Gang Hoon·Lee Seung Wook
	Investigation into effects of aging degradation of rice husk envelope of subsurface drainage for paddy fields
P042	on water conductivity at entrance of drainpipe
10.2	KAGEI Yuji · YOSHIDA Shuichiro · NISHIDA Kazuhiro
DO 42	Smart Agricultural Irrigation Enhances Management Efficiency
P043	Tsai, Ming-Dou
D044	A Study on Establishing Appropriate Hydrological Design Frequency Criteria for Agricultural Reservoirs
P044	So Euigeon • Yoo Seung-Hwan
	Post-earthquake Deformation Detection in Drainage Wells by UAV-LiDAR for Prevention of Secondary
P045	Disasters in Paddy Field
	Shibano Kazuma • Tanaka Hiromu • Inaba Kazunari • Suzuki Tetsuya
D046	Vulnerability Assessment of Agricultural Water Resources and Irrigation Reservoirs Using Multi-Model
P046	Ensembles Based on SSP Scenarios
	Kim Hayoung Na Ra Joo Donghyuk Yoo Seung-Hwan So Euigeon Estimation of Crack Width for Agricultural Infrastructure by Multimodal Approach with Point Cloud and
P047	Image Data Integration
104/	Tagami Keika · Tanaka Hiromu · Shibano Kazuma · Suzuki Tetsuya
	Estimation of irrigation water quality and the effects of abrasion and leaching on water quality
P048	kanehira Shusuke
D0 40	Development of Reservoir Operation Rules Using Machine Learning-Based Water Level Forecasting
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P050	Performance evaluation of agricultural pipeline system based on TTBTs with artificial leakage
	Chiyoda Atsushi · Hagiwara Taiki · Takahashi Yuto · Tsubota Toma · Suematsu Kakutaro · Suzuki Tetsuya
P051	Non-Contact Detection of Irregular Vibrations in Pump Rotors using Infrared-Stress Method
	Suzuki Tetsuya · Oshima Keiichiro · Takahashi Yuto · Hagiwara Taiki
P052	Post-Earthquake Damage Assessment of Landslide Prevention Facilities by UAV-LiDAR
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1 000	Koshiyamma Naoko•Otsu Takeshi		
P061	Effects of Land Use on Soil Microbial Community Composition and Predicted Nitrogen Metabolism in Paddy		
	and Dry Fields Shiau Yo-Jin•Chen Ting-Kai•Jhang Syu-Ruei•Chen Yi-Ying•Chou Charles CK.•Lee Chia-Wei•Chen Wei-		
	Nai · Chang Chih-Chung · Chiang Chih-Feng		
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	the Rwamagana District Irrigation Scheme, Republic of Rwanda		
	KINOSHITA Kodai • MATSUNO Yutaka • NDAYISHIMIYE Alfred		
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	Study from Korea Vim Do Vot Moong Soung line Loo Eum Byzongs Loo Bong Vulk		
	Kim Da Ye Maeng Seung Jin Lee Eun Ryeong Lee Bong Kuk Climate Change and Adaptation in Coastal Agriculture: Impacts on Nutrient Cycling and Water Resources		
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	Hierarchical and Non-hierarchical Cluster Analysis of Standard Watersheds Considering Hydrology, Water		
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1 002	Chueh, Chia-Jung		
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